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器件物理及器件制备技术

气溶胶喷墨打印在有机器件制备中的应用

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摘要：气溶胶喷墨打印是近年来新出现的一种打印技术。通过将形成的墨水气溶胶喷射至基底表面而成膜,使得气溶胶喷墨打印对墨水的黏度要求低、打印分辨率好、适用墨水的范围广。文章对气溶胶喷墨打印技术的基本原理、在有机器件制备方面的应用以及将来的改进等方面进行简介和评价。

关键词：喷墨打印 有机材料 气溶胶 光电器件

Aerosol Jet Printing and Its Application in Organic Devices

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Abstract: Aerosol jet printing is a new printing technique developed in recent years. Film forming on the substrate is achieved with the jet printing of the ink aerosol stream. This enables the aerosol jet printing to realize high-resolution printing with wide-range inks of different viscosity. The working mechanism, the application in the fabrication of organic devices, and the future of the aerosol jet printing are reviewed and envisioned.

Keywords: jet printing organic material aerosol optoelectronic device

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